

Greenwood County Base Labor Market Analysis



South Carolina
Department of
Commerce
Labor Market Information



November 2008

TABLE OF CONTENTS

EXECUTIVE SUMMARY	5
POPULATION	6
Growth.....	6
LABORSHED.....	7
Characteristics of Workers	7
INCOME	9
Per Capita Income	9
Wages by Industry	10
Wages by Occupation.....	11
EDUCATION	12
High School Graduates.....	12
Higher Education Graduates.....	13
OCCUPATIONS.....	15
Occupational Projections.....	15
Occupational Education Requirements.....	16
INDUSTRY	17
Businesses by Sector.....	17
Growth in Number of Businesses	18
Employment by Sector	18
Industry Analysis	19
MOVING FORWARD.....	20
Appendix A: Occupational Projections	
Appendix B: Businesses by 3-digit NAICS Codes	
Appendix C: Employment by Industry Sector	

EXECUTIVE SUMMARY

Population

Greenwood County's population growth has been slower than the state's in recent years.

Future growth is expected to be slower than the state's.

Two thirds of Greenwood County's workers live within the county.

Income

Per capita income growth has been slower than in the state and nation.

Greenwood County's per capita income has fallen below the state level from 1996 to 2006.

Greenwood County's average wages are higher than the state's for the community and social services; education, training and library; healthcare support; protective service; and farming and forestry occupation groups.

Education

The number of degrees awarded by area post-secondary institutions has increased.

The greatest increase has been in the area of healthcare.

Occupations

The farming and forestry occupational group is expected to have faster growth in Greenwood County than in the state.

Requirements for Greenwood County's workers are expected to grow in the following levels of education and experience:

Work experience in a related field, postsecondary vocational award, associate's degree, bachelor's degree, degree plus work experience, and master's degree or higher.

Industry

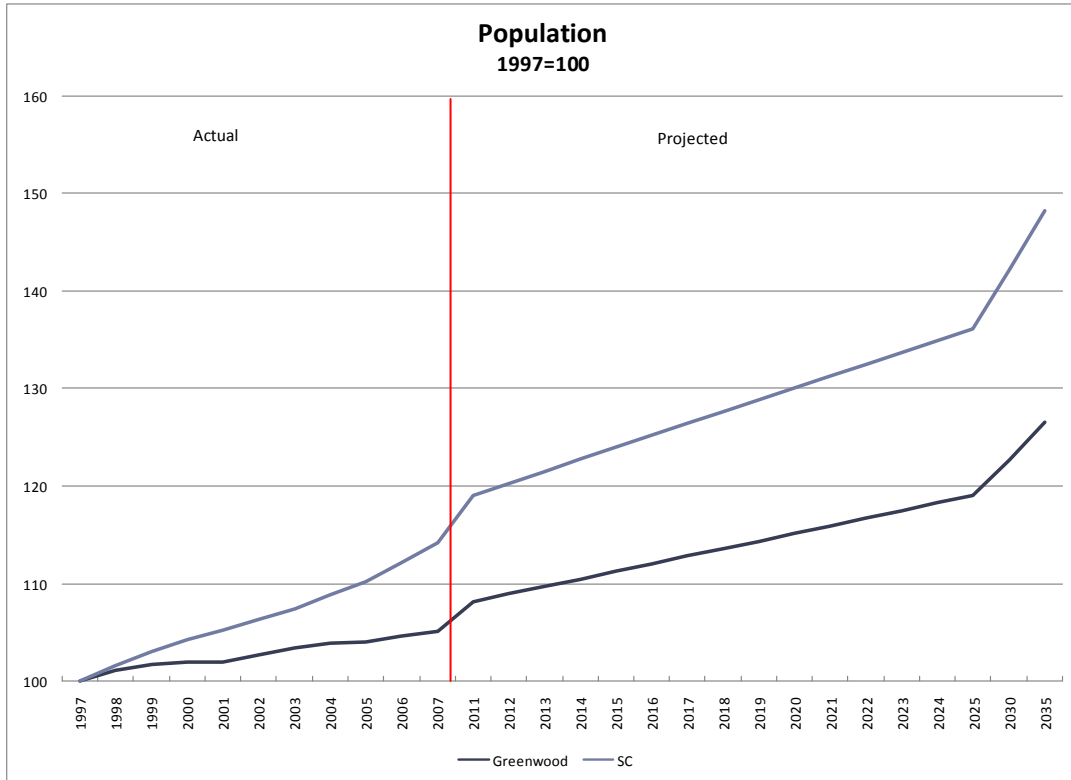
These sectors are rated as having potential in Greenwood County:

Wood product manufacturing, chemical manufacturing, management of companies and enterprises , ambulatory health care services , heavy and civil engineering construction, nonmetallic mineral product manufacturing, and fabricated metal product manufacturing.

POPULATION

Growth

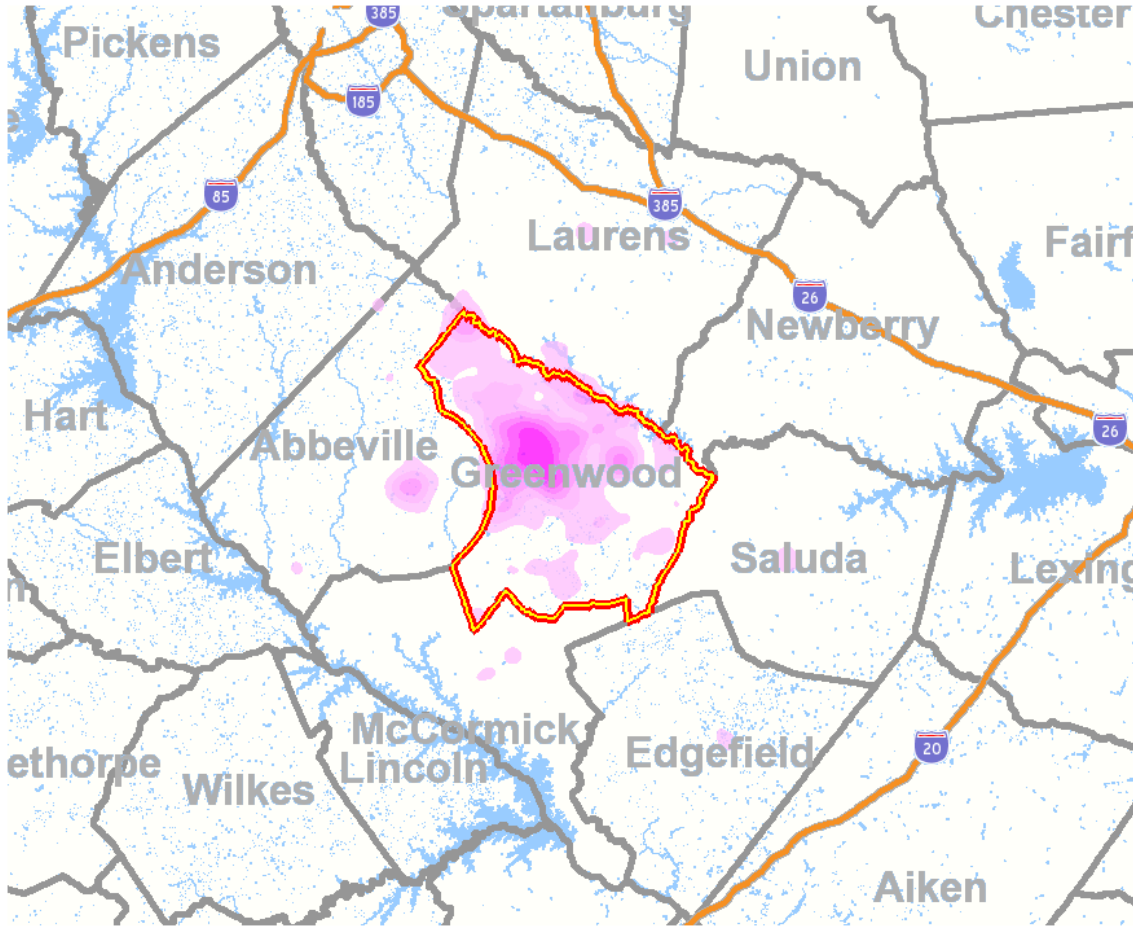
Greenwood County's 2007 population was 68,259. The county population has grown by 5.0% since 1997, compared to 14.2% growth for South Carolina. Greenwood's future population growth is expected to be slower than the state's.



Source: U.S. Census Bureau (estimates) and SC Budget & Control Board/Office of Research and Statistics (projections).

LABORSHED

The map below shows where Greenwood County workers come from (in 2006, latest available data). Greenwood County draws two thirds of its workers from within its borders.



Source: U.S. Census Bureau, Local Employment Dynamics.

Characteristics of Workers

Age of Workers:

30 or younger	23.7%
31 to 54	58.3%
55 or older	18.0%

Earnings of Workers:

\$1,200 per month or less	25.8%
\$1,201 to \$3,400 per month	46.6%
More than \$3,400 per month	27.6%

States Where Workers Live:

South Carolina	98.6%
Georgia	0.8%
All other locations	0.6%

Counties Where Workers Live:

Greenwood	67.3%
Abbeville	5.0%
Laurens	4.5%
Greenville	3.1%
Anderson	2.6%
Saluda	1.6%
Spartanburg	1.6%
Richland	1.4%
Newberry	1.2%
McCormick	1.1%
All Other Locations	10.5%

Cities Where Workers Live:

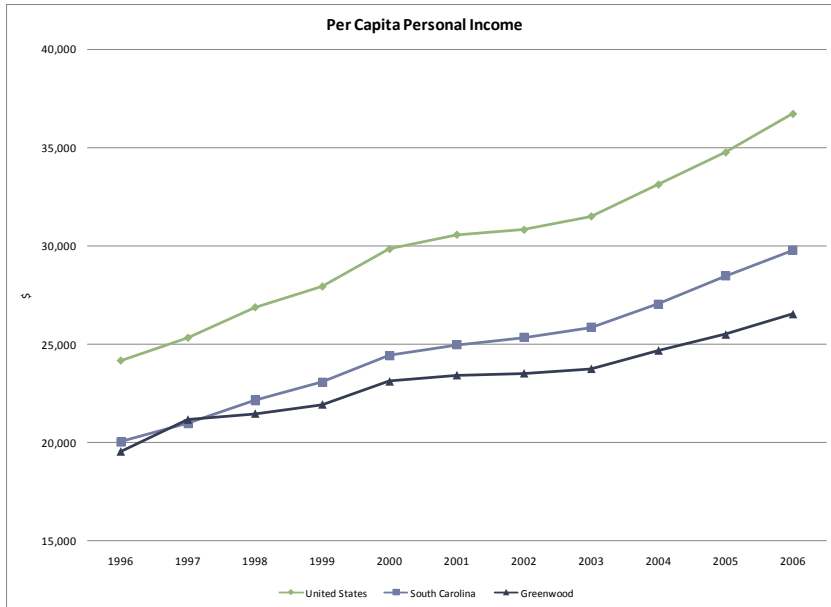
Greenwood, South Carolina	22.8%
Ninety Six, South Carolina	2.0%
Abbeville, South Carolina	1.7%
Ware Shoals, South Carolina	1.7%
Laurens, South Carolina	0.5%
Promised Land, South Carolina	0.5%
Anderson, South Carolina	0.5%
Columbia, South Carolina	0.5%
Greenville, South Carolina	0.4%
Saluda, South Carolina	0.4%
All Other Locations	68.9%

Source: U.S. Census Bureau, Local Employment Dynamics.

INCOME

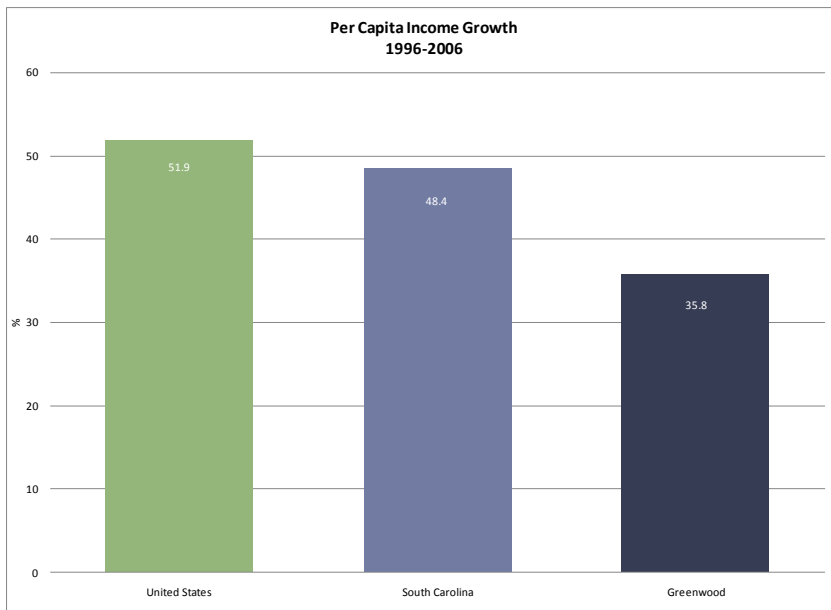
Per Capita Income

Greenwood County's per capita income dropped below state levels.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Greenwood County's per capita income has grown slower than South Carolina's and the nation's. Personal income growth was below average.



Source: U.S. Department of Commerce, Bureau of Economic Analysis.

Wages by Industry

Greenwood County's average wages are below those of South Carolina (\$629 vs. \$680 in 2007). Average wages were up 12% in Greenwood County over the past five years, compared to 18% for the state. All major sectors except arts, entertainment and recreation had growth.

Industry	NAICS Code	2007 Average Weekly Wage (\$)	2002 Average Weekly Wage (\$)	% Change
Total, Private and Government		629	561	12
Construction	23	823	646	27
Manufacturing	31-33	811	708	15
Retail Trade	44-45	411	367	12
Transportation and Warehousing	48-49	NA	NA	
Information	51	686	592	16
Finance and Insurance	52	736	662	11
Real Estate and Rental and Leasing	53	498	408	22
Administration & Support & Waste Management & Remediation Services	56	369	318	16
Arts, Entertainment, and Recreation	71	284	342	-17
Accommodation and Food Services	72	201	192	5
Other Services (Except Public Administration)	81	323	326	-1
Federal Government		912	777	17
State Government		623	547	14
Local Government		690	575	20

Source: U.S. Department of Labor, Bureau of Labor Statistics, Quarterly Census of Employment and Wages.

Wages by Occupation

Average wages in Greenwood County are higher than the state average in the following occupational groups:

- Community and social services
- Education, training and library
- Healthcare support
- Protective service
- Farming and forestry

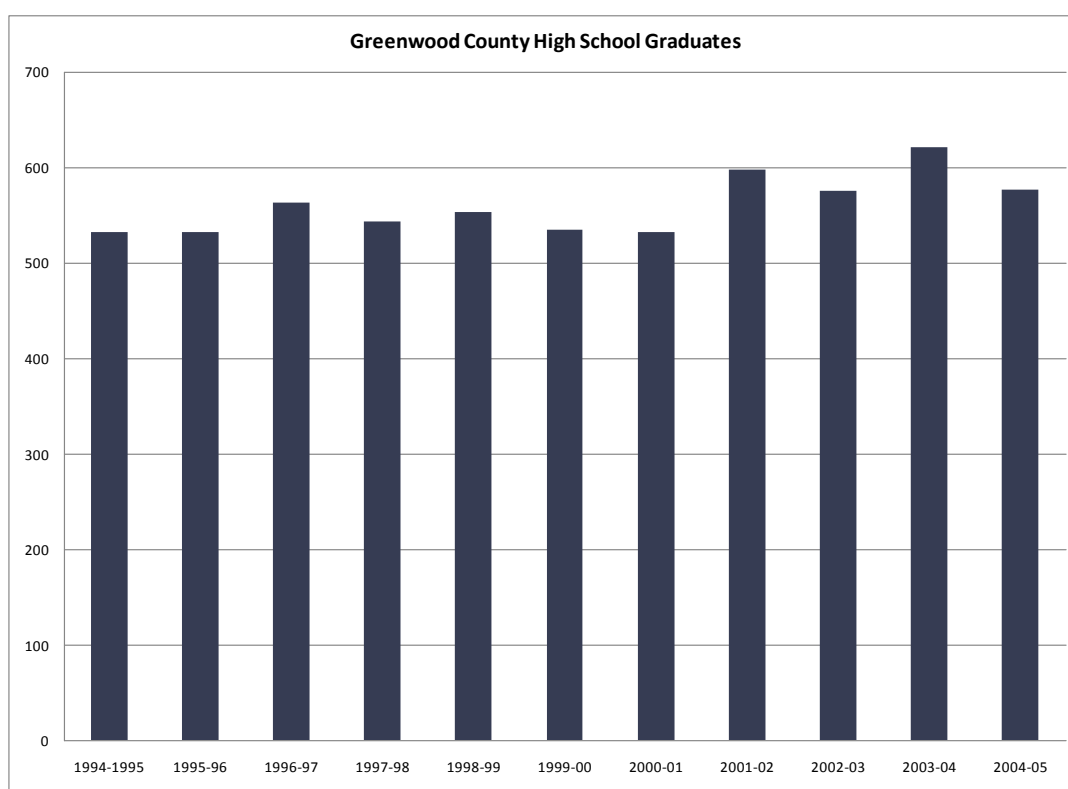
Occupation	2007 Greenwood County Median Hourly Wage (\$)	2007 SC Median Hourly Wage (\$)
Management occupations	21.20	28.78
Business and financial operations occupations	16.00	20.28
Computer and mathematical science occupations	22.53	26.20
Architecture and engineering occupations	22.09	30.22
Life, physical and social science occupations	20.02	22.76
Community and social services occupations	14.49	13.18
Legal occupations	21.98	30.68
Education, training and library occupations	25.73	24.42
Arts, design, entertainment, sports and media occupations	9.78	12.66
Healthcare practitioners and technical occupations	30.57	30.64
Healthcare support occupations	10.73	10.55
Protective service occupations	14.03	13.87
Food preparation and serving related occupations	7.29	7.90
Building and grounds cleaning and maintenance occupations	7.69	8.42
Personal care and service occupations	7.73	8.39
Sales and related occupations	10.18	13.48
Office and administrative support occupations	11.56	13.22
Farming, fishing, and forestry occupations	14.60	13.07
Construction and extraction occupations	13.14	16.51
Installation, maintenance and repair occupations	13.68	16.88
Production occupations	13.79	15.21
Transportation and material moving occupations	10.73	12.94

Source: Economic Modeling Specialists, Inc.

EDUCATION

High School Graduates

From 1995 to 2005 (latest data available), the number of Greenwood County students receiving high school diplomas rose by 45 (8%). In South Carolina, on the other hand, the number of high school diplomas increased 9% from 1995 to 2005. A total of 577 people received high school diplomas in Greenwood County in 2005. Greenwood County had 50 more 12th grade students in 2004-05 than in 1994-95. Also, the number of Greenwood County students not passing the exit exam who received a certificate of completion instead of a diploma was up by 25 (to 46) over the 1995-2005 period.



Source: National Center for Education Statistics.

Higher Education Graduates

Over 6,200 more students graduated from higher educational institutions in the Upper Savannah area in 2006 than in 1996, an increase of 34%. The greatest numerical increase was in the healthcare field.

Program	1996	2006	Change	% Change
Agriculture, agriculture operations, and related sciences	27	68	41	152
Area, ethnic, cultural, and gender studies	23	31	8	35
Biological and biomedical sciences	625	601	-24	-4
Business, management, marketing, and related support services	3,136	3,976	840	27
Communication, journalism, and related programs	337	624	287	85
Communications technologies/technicians and support services	10	25	15	150
Computer and information sciences and support services	335	979	644	192
Construction trades	117	125	8	7
Education	2,016	2,363	347	17
Engineering technologies/technicians	297	318	21	7
Engineering	302	323	21	7
English language and literature/letters	408	427	19	5
Family and consumer sciences/human sciences	235	278	43	18
Foreign languages, literatures, and linguistics	149	162	13	9
Health professions and related clinical sciences	3,189	5,194	2,005	63
Legal professions and studies	396	448	52	13
Liberal arts and sciences, general studies and humanities	1,205	1,208	3	0
Library science	185	200	15	8
Mathematics and statistics	120	160	40	33
Mechanic and repair technologies/technicians	730	1,058	328	45
Multi/interdisciplinary studies	155	271	116	75
Natural resources and conservation	--	10		
Parks, recreation, leisure, and fitness studies	155	360	205	132
Personal and culinary services	47	180	133	283
Philosophy and religious studies	66	179	113	171
Physical sciences	242	214	-28	-12
Precision production	357	291	-66	-18
Psychology	539	712	173	32
Public administration and social service professions	347	488	141	41
Science technologies/technicians	6	13	7	117
Security and protective services	514	550	36	7
Social sciences and history	1,037	1,343	306	30
Theology and religious vocations	486	574	88	18
Transportation and materials moving	90	129	39	43
Visual and performing arts	372	592	220	59
TOTAL	18,255	24,474	6,219	34

Source: National Center for Education Statistics (Integrated Post Secondary Education System).

Data for these schools: Aiken Technical College, Allen University, Anderson University, Augusta Area Dietetic Internship-University Hospital (Georgia), Augusta State University (Georgia), Augusta Technical College (Georgia), Benedict College, Beta Tech, Bob Jones University, Claflin University, Columbia College, Columbia International University, Converse College, Erskine College and Seminary, Forrest Junior College, Furman University, Georgia Military College-Augusta Campus (Georgia), Greenville Technical College, ITT Technical Institute-Greenville, Lander University, Lutheran Theological Southern Seminary, Medical College of Georgia, Midlands Technical College, Newberry College, North Greenville University, Paine College (Augusta), Piedmont Technical College, Presbyterian College, Savannah River College (Georgia), South University, Spartanburg Community College, Spartanburg Methodist College, Tri-County Technical College, University of Phoenix-Columbia Campus, University of South Carolina-Aiken, University of South Carolina-Columbia, University of South Carolina-Upstate, W L Bonner College, and Wofford College.

OCCUPATIONS

Occupational Projections

The farming and forestry occupational group is projected to grow faster in Greenwood County than in the state.

See **Appendix A** for detailed occupational information.

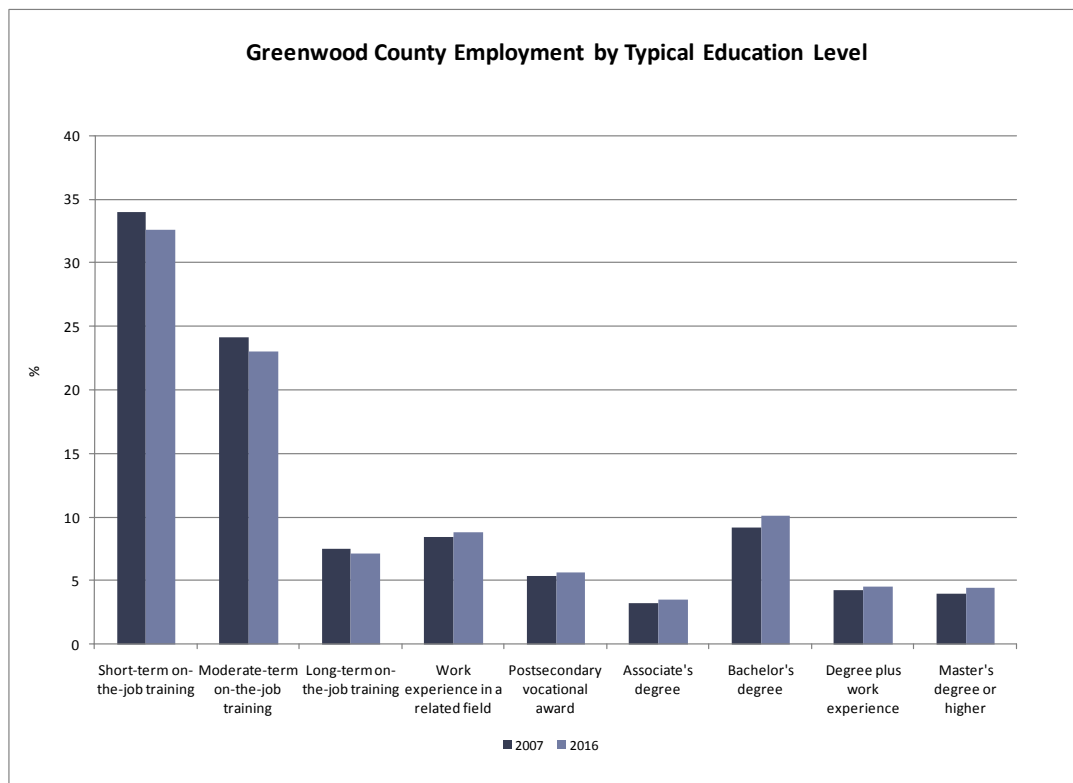
Occupation	2007-2016 Greenwood County Projected Growth (%)	2007-2016 SC Projected Growth (%)
Management occupations	7	17
Business and financial operations occupations	21	22
Computer and mathematical science occupations	16	23
Architecture and engineering occupations	8	15
Life, physical and social science occupations	14	15
Community and social services occupations	3	15
Legal occupations	11	21
Education, training and library occupations	7	16
Arts, design, entertainment, sports and media occupations	-1	17
Healthcare practitioners and technical occupations	11	24
Healthcare support occupations	17	25
Protective service occupations	5	18
Food preparation and serving related occupations	4	13
Building and grounds cleaning and maintenance occupations	5	23
Personal care and service occupations	-5	7
Sales and related occupations	0	19
Office and administrative support occupations	-1	13
Farming, fishing and forestry occupations	23	16
Construction and extraction occupations	-5	19
Installation, maintenance and repair occupations	-4	17
Production occupations	-12	10
Transportation and material moving occupations	-5	11

Source: Economic Modeling Specialists, Inc.

Occupational Education Requirements

The trend for occupational growth shows that there will be growth in jobs across skill levels. Based on employment projections, Greenwood County is expected to see growth in requirements for the following specific levels of education and experience:

- Work experience in a related field
- Postsecondary vocational award
- Associate's degree
- Bachelor's degree
- Degree plus work experience
- Master's degree or higher



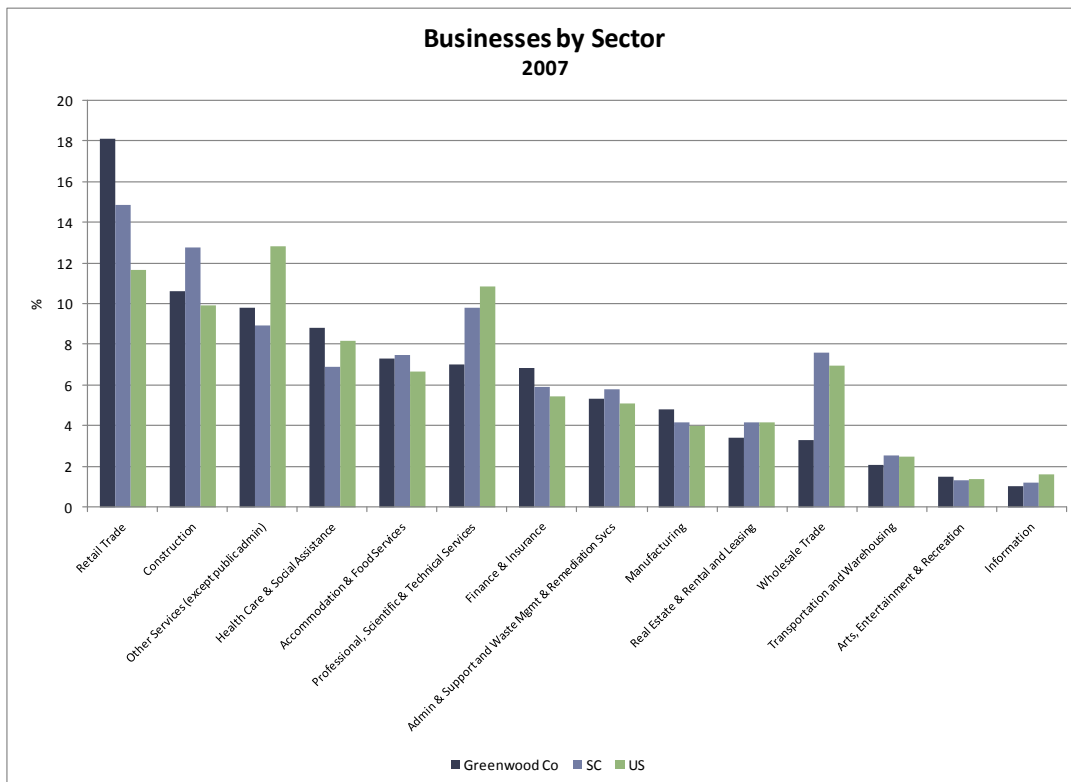
Source: Economic Modeling Specialists, Inc

INDUSTRY

Businesses by Sector

Greenwood County had higher percentages of businesses than South Carolina or the nation in the following sectors:

- Retail trade
- Health care and social assistance
- Finance and insurance
- Manufacturing



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Growth in Number of Businesses

The number of private businesses in Greenwood County fell by 9% from 2002 to 2007, compared to a 2% drop for the state. For industry definitions, this analysis uses the North American Industry Classification System (NAICS), the U.S. standard for industry classification.

At the three-digit NAICS code level, based on available data, Greenwood County had higher growth in nine industries compared to South Carolina and the U.S. Below is a list of those nine industries along with their respective growth rates.

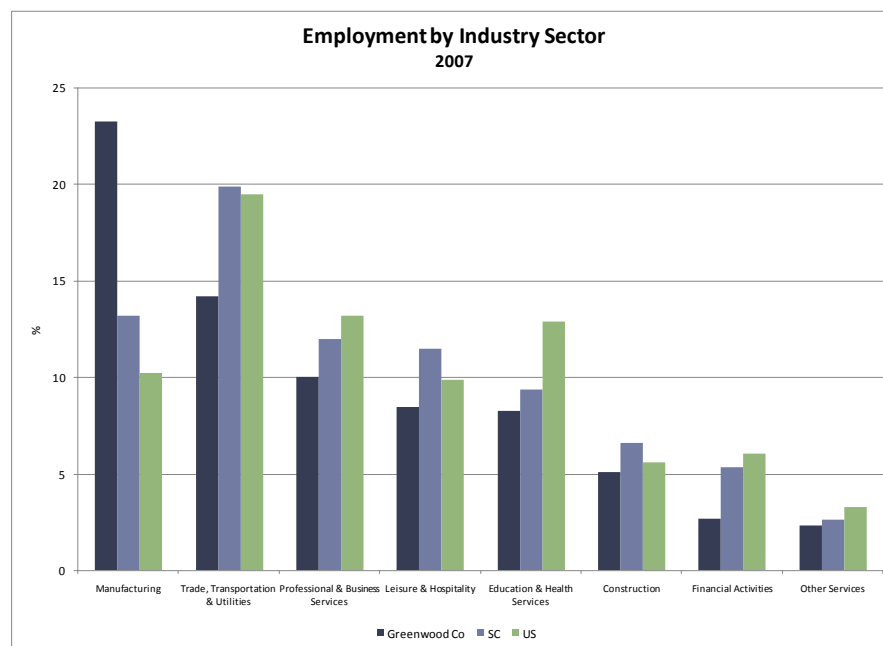
See **Appendix B** for information on all industries.

Industry	2002-2007 Growth (%)		
	Greenwood Co.	SC	US
Forestry and logging	12.5	-26.0	-15.2
Wood product manufacturing	28.6	-6.4	-5.7
Chemical manufacturing	20.0	-1.6	1.5
Building material and garden equipment and supplies dealers	9.1	-8.8	0.9
Health and personal care stores	10.5	9.1	10.2
Sporting goods, hobby, book and music stores	11.8	-11.1	-6.5
Waste management and remediation services	16.7	3.9	15.6
Accommodation	20.0	-3.4	3.5
Religious, grantmaking, civic, professional and similar organizations	10.0	-2.0	3.3

Source: U.S. Department of Labor, Bureau of Labor Statistics.

Employment by Sector

Greenwood County has a larger than average share of its jobs in manufacturing.



Source: U.S. Department of Labor, Bureau of Labor Statistics.

Industry Analysis

Screening Criteria

Industry sectors were rated on six factors:

- | | |
|------------------------------------|---------------------------------|
| • 2002-2007 employment growth | Competitive effect ¹ |
| • 2002-2007 employment growth rate | Average annual wage |
| • Location quotient ² | Projected growth |

Using those factors, sectors were awarded “stars” based on meeting the following criteria:

- 2002-2007 employment growth of 75 or more (Did the sector add a significant number of jobs?)
- 2002-2007 employment growth rate greater than 0% (the county lost jobs over the period) (Did the sector add jobs?)
- Location quotient of at least 1.25 (Does the sector have a significant concentration in the county?)
- Competitive effect greater than 0 (Did the sector add jobs beyond national growth overall and in the sector?)
- Average annual wage greater than \$32,730 (2007 average for the county) (Does the sector pay wages greater than average for the county?)
- Average or above average projected growth (Is the sector expected to add jobs?)

Industries of Note

Based on these criteria and available data, there are no “six star” sectors in Greenwood County. The following are “five star” sectors:

- Wood product manufacturing (with only growth lower than 75 jobs)
- Chemical manufacturing (projected employment decline)
- Health and personal care stores (below-average wages)
- Management of companies and enterprises (location quotient below 1.25)
- Administrative and support services (below-average wages)
- Ambulatory health care services (location quotient below 1.25)

Industry sectors that generate wealth from outside the area are referred to as the region’s base economy. Base economy sectors are important to an area’s economic well-being. Wood product manufacturing, chemical manufacturing and management of companies and enterprises fit the criteria as base economy sectors. To the extent that Greenwood County serves as a regional healthcare provider, ambulatory health care services can be a base economy sector as well.

Other sectors which fit this base economy criteria, have above-average wages, have a relatively high concentration in the area (as indicated by the location quotient), and are projected to grow are heavy and civil engineering construction, nonmetallic mineral product manufacturing, and fabricated metal product manufacturing.

Appendix C has information on all factors for all sectors for Greenwood County.

¹ *Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.*

² *Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county compared to the US; based on 2007 data.*

MOVING FORWARD

The South Carolina Department of Commerce appreciates the opportunity to provide this base analysis of Greenwood County's labor market. We hope that it will help in advancing the progress of Greenwood County's economic development.

What's been done so far?

This analysis identifies the region's assets—both current and future—at a macro level. Labor Market Information (LMI) at the S.C. Department of Commerce developed a Base Labor Analysis report providing an overview of the region's population, industries, occupations, and educational assets. Additionally, these findings were benchmarked against the state and the nation.

What's next?

Because local knowledge is required to interpret and apply the findings appropriately, the Greenwood Base Labor Analysis should be used with local stakeholders to identify and define key, targeted industry clusters. Some items to consider when defining these clusters may include the following.

1. *What is Greenwood's economic base?*

In order for an economy to grow, it must have a base (export) sector that generates wealth from beyond its borders. Industries in the economic base (manufacturing, scientific and technology services, warehouse and distribution, financial services, regional healthcare, etc.) typically provide occupations with higher pay and benefits as well as better human capital development and promotion opportunities. A successful economic base stimulates the development of the non-base sector (housing, schools, retail, restaurants, personal services, etc.). It also propels the local tax base which, in turn, provides support to community services.

2. *What are strategies to assist low-wage citizens in non-base economy jobs?*

Although the economic base is the driver for long-term growth in a region, implementable strategies for developing job opportunities for low-skilled individuals is a priority for community economic well-being. This need must also be kept in mind when defining target industry clusters.

3. *What other factors are vital to Greenwood and its community?*

Over and above pure economic considerations, what is important to the citizens of the Greenwood community? How does Greenwood want to be perceived? What quality of life issues affect Greenwood? These questions may impact the types of industries desired for the area.

How Labor Market Information at the S.C. Department of Commerce can help.

Once local stakeholders have identified key industry clusters vital to the future economic development of the region, LMI can provide more in-depth analysis of each of these industries, their occupations, business establishments, and educational requirements.

1. Detailed Industry Analysis

For each identified industry, LMI can develop a detailed analysis of each sector, including employment, projected growth, staffing patterns, location quotients, and employers. Additionally, the analysis will examine the largest, fastest growing, and declining sectors within the industry cluster.

2. Detailed Occupational Analysis

At this point, the occupations—classified by SOC codes—that make up each of the identified industry clusters can be analyzed in detail. This analysis will include employment, average earnings, educational requirements, projected growth, and completers from available local training programs. It will culminate in identifying gaps between the number of occupations required to sustain and advance industry growth and the number of skilled workers (as identified by educational requirements and program completers) available to fulfill these positions.

3. Identification of Implementable Recommendations

LMI will utilize the findings of the analyses to develop a set of implementable recommendations. These may include recommendations to align community college programs with economic development goals along with others. Finally, local knowledge will once again be called upon to review the findings and develop an action plan for the implementation of feasible solutions.

Appendix A: Occupational Projections for Greenwood County

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-2021	Marketing managers	24	27	3	13	0.53	30.23	Degree plus work experience
11-2022	Sales managers	29	31	2	7	0.37	26.42	Degree plus work experience
11-2031	Public relations managers	12	13	1	8	1.01	22.28	Degree plus work experience
11-3011	Administrative services managers	41	43	2	5	0.76	21.87	Degree plus work experience
11-3021	Computer and information systems managers	28	30	2	7	0.44	32.90	Degree plus work experience
11-3031	Financial managers	100	108	8	8	0.68	35.12	Degree plus work experience
11-3041	Compensation and benefits managers	10	10	0	0	--	--	Degree plus work experience
11-3051	Industrial production managers	56	49	-7	-13	1.66	41.05	Work experience in a related field
11-3061	Purchasing managers	11	11	0	0	0.75	36.00	Degree plus work experience
11-3071	Transportation, storage, and distribution managers	14	15	1	7	0.60	24.85	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-9011	Farm, ranch, and other agricultural managers	97	106	9	9	0.87	11.07	Degree plus work experience
11-9012	Farmers and ranchers	388	394	6	2	1.05	6.55	Long-term on-the-job training
11-9021	Construction managers	131	136	5	4	0.80	15.52	Bachelor's degree
11-9031	Education administrators, preschool and child care center/program	11	12	1	9	0.38	13.25	Degree plus work experience
11-9032	Education administrators, elementary and secondary school	61	62	1	2	0.94	42.65	Degree plus work experience
11-9033	Education administrators, postsecondary	54	60	6	11	1.34	33.71	Degree plus work experience
11-9041	Engineering managers	48	49	1	2	1.19	32.69	Degree plus work experience
11-9051	Food service managers	90	116	26	29	0.92	11.00	Work experience in a related field
11-9081	Lodging managers	37	50	13	35	1.16	12.59	Work experience in a related field
11-9111	Medical and health services managers	66	75	9	14	0.99	32.02	Degree plus work experience
11-9141	Property, real estate, and community association managers	139	184	45	32	0.55	7.19	Bachelor's degree
11-9151	Social and community service managers	13	14	1	8	0.40	13.49	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
11-9199	Managers, all other	160	197	37	23	0.45	10.76	Work experience in a related field
11-1011	Chief executives	185	209	24	13	0.76	32.17	Degree plus work experience
11-1021	General and operations managers	419	393	-26	-6	1.08	31.40	Degree plus work experience
11-1031	Legislators	58	56	-2	-3	4.34	8.65	Degree plus work experience
13-1022	Wholesale and retail buyers, except farm products	20	19	-1	-5	0.56	15.82	Work experience in a related field
13-1023	Purchasing agents, except wholesale, retail, and farm products	54	53	-1	-2	0.85	21.70	Work experience in a related field
13-1031	Claims adjusters, examiners, and investigators	11	11	0	0	0.17	17.81	Long-term on-the-job training
13-1041	Compliance officers, except agriculture, construction, health and safety, and transportation	36	38	2	6	0.71	14.96	Long-term on-the-job training
13-1051	Cost estimators	41	41	0	0	0.79	19.93	Work experience in a related field
13-1071	Employment, recruitment, and placement specialists	66	73	7	11	1.49	13.51	Bachelor's degree
13-1072	Compensation, benefits, and job analysis specialists	35	39	4	11	1.30	16.39	Bachelor's degree
13-1073	Training and development specialists	33	37	4	12	0.70	13.69	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
13-1079	Human resources, training, and labor relations specialists, all other	24	27	3	13	0.46	18.42	Bachelor's degree
13-1111	Management analysts	143	244	101	71	0.67	17.57	Degree plus work experience
13-1199	Business operation specialists, all other	54	64	10	19	0.23	16.39	Bachelor's degree
13-2011	Accountants and auditors	248	278	30	12	0.73	18.68	Bachelor's degree
13-2021	Appraisers and assessors of real estate	54	69	15	28	0.58	8.22	Postsecondary vocational award
13-2051	Financial analysts	17	25	8	47	0.21	12.25	Bachelor's degree
13-2052	Personal financial advisors	63	95	32	51	0.40	10.32	Bachelor's degree
13-2072	Loan officers	75	79	4	5	0.91	13.11	Bachelor's degree
13-2082	Tax preparers	16	16	0	0	0.63	7.74	Moderate-term on-the-job training
15-1021	Computer programmers	72	65	-7	-10	0.69	20.98	Bachelor's degree
15-1031	Computer software engineers, applications	60	83	23	38	0.50	28.64	Bachelor's degree
15-1032	Computer software engineers, systems software	12	15	3	25	0.14	29.96	Bachelor's degree
15-1041	Computer support specialists	51	56	5	10	0.41	16.33	Associate's degree
15-1051	Computer systems analysts	38	46	8	21	0.34	22.77	Bachelor's degree
15-1061	Database administrators	13	15	2	15	0.45	23.21	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
15-1071	Network and computer systems administrators	27	32	5	19	0.37	25.06	Bachelor's degree
15-1081	Network systems and data communications analysts	17	24	7	41	0.26	17.58	Bachelor's degree
15-1099	Computer specialists, all other	10	11	1	10	0.21	21.68	Associate's degree
17-1011	Architects, except landscape and naval	18	17	-1	-6	0.52	29.41	Bachelor's degree
17-1022	Surveyors	23	23	0	0	1.70	16.83	Bachelor's degree
17-2051	Civil engineers	50	51	1	2	0.78	27.06	Bachelor's degree
17-2071	Electrical engineers	45	50	5	11	1.35	15.01	Bachelor's degree
17-2111	Health and safety engineers, except mining safety engineers and inspectors	12	12	0	0	2.11	26.80	Bachelor's degree
17-2112	Industrial engineers	232	267	35	15	5.32	29.61	Bachelor's degree
17-2141	Mechanical engineers	55	57	2	4	1.13	29.03	Bachelor's degree
17-3011	Architectural and civil drafters	17	15	-2	-12	0.65	20.38	Postsecondary vocational award
17-3012	Electrical and electronics drafters	12	13	1	8	1.44	10.95	Postsecondary vocational award
17-3013	Mechanical drafters	16	15	-1	-6	0.91	31.62	Postsecondary vocational award
17-3022	Civil engineering technicians	10	10	0	0	--	--	Associate's degree
17-3023	Electrical and electronic engineering technicians	83	90	7	8	2.33	6.95	Associate's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
17-3026	Industrial engineering technicians	35	37	2	6	2.16	15.02	Associate's degree
17-3027	Mechanical engineering technicians	13	14	1	8	1.25	17.62	Associate's degree
17-3031	Surveying and mapping technicians	36	36	0	0	1.95	8.67	Moderate-term on-the-job training
19-2031	Chemists	47	42	-5	-11	2.73	24.51	Bachelor's degree
19-2041	Environmental scientists and specialists, including health	23	31	8	35	1.14	15.30	Master's degree
19-2042	Geoscientists, except hydrologists and geographers	26	37	11	42	2.57	15.45	Master's degree
19-3021	Market research analysts	15	20	5	33	0.25	17.23	Bachelor's degree
19-3031	Clinical, counseling, and school psychologists	22	24	2	9	0.58	24.26	Doctoral degree
19-4031	Chemical technicians	35	29	-6	-17	2.51	16.20	Associate's degree
19-4091	Environmental science and protection technicians, including health	13	19	6	46	1.75	17.81	Associate's degree
19-4093	Forest and conservation technicians	19	19	0	0	3.17	13.83	Associate's degree
21-1011	Substance abuse and behavioral disorder counselors	13	13	0	0	0.61	20.56	Master's degree
21-1012	Educational, vocational, and school counselors	72	74	2	3	1.26	22.77	Master's degree
21-1015	Rehabilitation counselors	32	29	-3	-9	1.00	16.72	Master's degree
21-1021	Child, family, and school social workers	126	123	-3	-2	1.96	14.34	Bachelor's degree
21-1022	Medical and public health social workers	37	40	3	8	1.29	19.55	Bachelor's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
21-1023	Mental health and substance abuse social workers	20	20	0	0	0.68	14.76	Master's degree
21-1029	Social workers, all other	20	20	0	0	1.15	17.72	Bachelor's degree
21-1091	Health educators	15	17	2	13	1.04	20.26	Master's degree
21-1092	Probation officers and correctional treatment specialists	15	16	1	7	0.74	26.84	Bachelor's degree
21-1093	Social and human service assistants	35	36	1	3	0.46	11.40	Moderate-term on-the-job training
21-1099	Community and social service specialists, all other	10	11	1	10	0.37	14.55	Bachelor's degree
21-2011	Clergy	92	97	5	5	1.58	7.12	Master's degree
21-2021	Directors, religious activities and education	42	45	3	7	1.60	6.67	Bachelor's degree
21-2099	Religious workers, all other	19	20	1	5	1.55	6.65	Bachelor's degree
23-1011	Lawyers	86	101	15	17	0.46	27.44	First professional degree
23-1023	Judges, magistrate judges, and magistrates	33	33	0	0	5.55	21.18	Degree plus work experience
23-2011	Paralegals and legal assistants	35	40	5	14	0.64	14.91	Associate's degree
23-2093	Title examiners, abstractors, and searchers	10	10	0	0	--	--	Moderate-term on-the-job training
25-1099	Postsecondary teachers	586	688	102	17	1.69	47.04	Doctoral degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-2011	Preschool teachers, except special education	122	120	-2	-2	1.07	12.91	Postsecondary vocational award
25-2012	Kindergarten teachers, except special education	70	74	4	6	1.69	25.57	Bachelor's degree
25-2021	Elementary school teachers, except special education	264	282	18	7	0.74	24.73	Bachelor's degree
25-2022	Middle school teachers, except special and vocational education	242	251	9	4	1.59	23.42	Bachelor's degree
25-2023	Vocational education teachers, middle school	11	14	3	27	1.11	19.99	Degree plus work experience
25-2031	Secondary school teachers, except special and vocational education	184	182	-2	-1	0.78	26.19	Bachelor's degree
25-2032	Vocational education teachers, secondary school	71	64	-7	-10	2.93	26.39	Degree plus work experience
25-2041	Special education teachers, preschool, kindergarten, and elementary school	57	62	5	9	1.15	27.25	Bachelor's degree
25-2042	Special education teachers, middle school	25	27	2	8	1.11	25.91	Bachelor's degree
25-2043	Special education teachers, secondary school	30	30	0	0	0.96	26.22	Bachelor's degree
25-3011	Adult literacy, remedial education, and GED teachers and instructors	29	32	3	10	0.88	17.99	Bachelor's degree
25-3021	Self-enrichment education teachers	54	62	8	15	0.89	13.25	Work experience in a related field
25-3099	Teachers and instructors, all other	249	255	6	2	1.79	10.42	Bachelor's degree
25-4021	Librarians	42	41	-1	-2	1.21	25.37	Master's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
25-4031	Library technicians	32	33	1	3	1.24	10.22	Postsecondary vocational award
25-9031	Instructional coordinators	55	63	8	15	1.81	28.13	Master's degree
25-9041	Teacher assistants	322	323	1	0	1.07	10.14	Short-term on-the-job training
27-1023	Floral designers	14	13	-1	-7	0.66	7.91	Moderate-term on-the-job training
27-1024	Graphic designers	18	19	1	6	0.33	12.67	Bachelor's degree
27-2022	Coaches and scouts	46	49	3	7	1.05	11.94	Long-term on-the-job training
27-2041	Music directors and composers	25	27	2	8	0.66	6.57	Degree plus work experience
27-2042	Musicians and singers	47	51	4	9	0.87	7.03	Long-term on-the-job training
27-3022	Reporters and correspondents	16	13	-3	-19	1.24	8.65	Degree plus work experience
27-3031	Public relations specialists	26	29	3	12	0.43	11.50	Bachelor's degree
27-3043	Writers and authors	26	29	3	12	0.30	7.20	Bachelor's degree
27-4021	Photographers	49	30	-19	-39	0.30	11.54	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-1011	Chiropractors	10	13	3	30	--	--	First professional degree
29-1021	Dentists, general	20	18	-2	-10	0.97	56.26	First professional degree
29-1031	Dietitians and nutritionists	18	20	2	11	1.15	22.13	Bachelor's degree
29-1051	Pharmacists	54	73	19	35	0.97	45.07	First professional degree
29-1069	Physicians and surgeons	229	237	8	3	1.24	71.22	First professional degree
29-1071	Physician assistants	14	16	2	14	0.95	38.06	Bachelor's degree
29-1111	Registered nurses	631	686	55	9	1.17	27.67	Associate's degree
29-1122	Occupational therapists	18	19	1	6	0.78	32.62	Master's degree
29-1123	Physical therapists	24	25	1	4	0.55	35.95	Master's degree
29-1126	Respiratory therapists	33	35	2	6	1.50	21.75	Associate's degree
29-1127	Speech-language pathologists	23	24	1	4	0.79	22.19	Master's degree
29-2011	Medical and clinical laboratory technologists	51	86	35	69	1.42	21.57	Bachelor's degree
29-2012	Medical and clinical laboratory technicians	18	26	8	44	0.56	18.76	Associate's degree
29-2021	Dental hygienists	34	36	2	6	0.92	21.07	Associate's degree
29-2031	Cardiovascular technologists and technicians	11	12	1	9	1.00	26.78	Associate's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
29-2032	Diagnostic medical sonographers	14	19	5	36	1.30	30.26	Associate's degree
29-2034	Radiologic technologists and technicians	69	94	25	36	1.59	23.25	Associate's degree
29-2052	Pharmacy technicians	119	111	-8	-7	1.82	11.86	Moderate-term on-the-job training
29-2055	Surgical technologists	21	22	1	5	1.12	16.93	Postsecondary vocational award
29-2061	Licensed practical and licensed vocational nurses	209	225	16	8	1.32	17.64	Postsecondary vocational award
29-2071	Medical records and health information technicians	31	34	3	10	0.85	12.68	Associate's degree
29-2081	Opticians, dispensing	18	26	8	44	1.08	16.69	Long-term on-the-job training
29-2099	Healthcare technologists and technicians, all other	12	13	1	8	0.65	18.50	Postsecondary vocational award
29-9011	Occupational health and safety specialists	16	18	2	13	1.58	14.08	Bachelor's degree
31-1011	Home health aides	238	267	29	12	1.19	8.99	Short-term on-the-job training
31-1012	Nursing aides, orderlies, and attendants	428	507	79	18	1.34	9.70	Postsecondary vocational award
31-1013	Psychiatric aides	11	15	4	36	0.40	9.60	Short-term on-the-job training
31-2011	Occupational therapist assistants	12	13	1	8	2.05	22.26	Associate's degree

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
31-2021	Physical therapist assistants	15	15	0	0	1.12	22.21	Associate's degree
31-9091	Dental assistants	49	52	3	6	0.79	13.22	Moderate-term on-the-job training
31-9092	Medical assistants	126	148	22	17	1.30	13.34	Moderate-term on-the-job training
31-9094	Medical transcriptionists	20	22	2	10	0.95	15.10	Postsecondary vocational award
31-9095	Pharmacy aides	17	20	3	18	1.31	6.55	Short-term on-the-job training
31-9099	Healthcare support workers, all other	92	136	44	48	2.13	12.24	Short-term on-the-job training
33-1011	First-line supervisors/managers of correctional officers	14	15	1	7	1.34	19.28	Work experience in a related field
33-1012	First-line supervisors/managers of police and detectives	25	26	1	4	1.25	22.32	Work experience in a related field
33-1021	First-line supervisors/managers of fire fighting and prevention workers	17	18	1	6	1.35	19.65	Work experience in a related field
33-1099	First-line supervisors/managers, protective service workers, all other	15	15	0	0	1.29	15.91	Work experience in a related field
33-2011	Fire fighters	49	53	4	8	0.80	13.05	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
33-3012	Correctional officers and jailers	315	358	43	14	3.55	14.22	Moderate-term on-the-job training
33-3021	Detectives and criminal investigators	12	14	2	17	0.55	18.34	Work experience in a related field
33-3051	Police and sheriff's patrol officers	186	195	9	5	1.46	15.42	Long-term on-the-job training
33-9021	Private detectives and investigators	13	14	1	8	0.84	15.66	Work experience in a related field
33-9032	Security guards	207	188	-19	-9	0.91	10.85	Short-term on-the-job training
33-9092	Lifeguards, ski patrol, and other recreational protective service workers	15	17	2	13	0.62	8.82	Short-term on-the-job training
33-9099	Protective service workers, all other	22	23	1	5	1.22	11.42	Short-term on-the-job training
35-1011	Chefs and head cooks	29	31	2	7	1.05	11.09	Work experience in a related field
35-1012	First-line supervisors/managers of food preparation and serving workers	230	234	4	2	1.21	10.76	Work experience in a related field
35-2011	Cooks, fast food	183	178	-5	-3	1.44	6.65	Short-term on-the-job training
35-2012	Cooks, institution and cafeteria	167	167	0	0	1.91	7.25	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
35-2014	Cooks, restaurant	231	252	21	9	1.19	7.93	Long-term on-the-job training
35-2015	Cooks, short order	63	61	-2	-3	1.55	6.58	Short-term on-the-job training
35-2019	Cooks, all other	13	13	0	0	2.09	8.54	Moderate-term on-the-job training
35-2021	Food preparation workers	191	194	3	2	0.98	7.18	Short-term on-the-job training
35-3011	Bartenders	56	61	5	9	0.49	6.55	Short-term on-the-job training
35-3021	Combined food preparation and serving workers, including fast food	541	564	23	4	0.95	6.55	Short-term on-the-job training
35-3022	Counter attendants, cafeteria, food concession, and coffee shop	56	53	-3	-5	0.47	6.80	Short-term on-the-job training
35-3031	Waiters and waitresses	477	513	36	8	0.92	6.59	Short-term on-the-job training
35-3041	Food servers, nonrestaurant	20	21	1	5	0.49	7.25	Short-term on-the-job training
35-9011	Dining room and cafeteria attendants and bartender helpers	45	48	3	7	0.51	6.83	Short-term on-the-job training
35-9021	Dishwashers	120	128	8	7	1.07	6.80	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
35-9031	Hosts and hostesses, restaurant, lounge, and coffee shop	61	67	6	10	0.80	7.25	Short-term on-the-job training
35-9099	Food preparation and serving related workers, all other	12	12	0	0	1.00	7.13	Short-term on-the-job training
37-1011	First-line supervisors/managers of housekeeping and janitorial workers	72	75	3	4	0.88	9.70	Work experience in a related field
37-1012	First-line supervisors/managers of landscaping, lawn service, and groundskeeping workers	39	41	2	5	1.20	11.68	Work experience in a related field
37-2011	Janitors and cleaners, except maids and housekeeping cleaners	369	323	-46	-12	0.75	8.73	Short-term on-the-job training
37-2012	Maids and housekeeping cleaners	534	618	84	16	1.16	6.55	Short-term on-the-job training
37-2019	Building cleaning workers, all other	89	112	23	26	0.82	6.55	Short-term on-the-job training
37-2021	Pest control workers	26	21	-5	-19	1.26	11.26	Moderate-term on-the-job training
37-3011	Landscaping and groundskeeping workers	221	202	-19	-9	0.97	7.99	Short-term on-the-job training
37-3012	Pesticide handlers, sprayers, and applicators, vegetation	39	51	12	31	1.73	6.56	Moderate-term on-the-job training
37-3013	Tree trimmers and pruners	39	51	12	31	1.68	6.56	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
37-3019	Grounds maintenance workers, all other	39	52	13	33	1.87	6.55	Short-term on-the-job training
39-1021	First-line supervisors/managers of personal service workers	63	53	-10	-16	1.18	11.48	Work experience in a related field
39-2011	Animal trainers	12	11	-1	-8	0.59	7.77	Moderate-term on-the-job training
39-2021	Nonfarm animal caretakers	40	22	-18	-45	0.48	6.92	Short-term on-the-job training
39-3031	Ushers, lobby attendants, and ticket takers	19	18	-1	-5	0.83	6.55	Short-term on-the-job training
39-3091	Amusement and recreation attendants	59	51	-8	-14	1.10	6.55	Short-term on-the-job training
39-3099	Entertainment attendants and related workers, all other	18	21	3	17	1.64	6.55	Moderate-term on-the-job training
39-4021	Funeral attendants	26	22	-4	-15	3.56	11.42	Short-term on-the-job training
39-5012	Hairdressers, hairstylists, and cosmetologists	101	60	-41	-41	0.83	8.01	Postsecondary vocational award
39-9011	Child care workers	438	457	19	4	1.09	6.67	Short-term on-the-job training
39-9021	Personal and home care aides	190	211	21	11	0.93	8.15	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
39-9031	Fitness trainers and aerobics instructors	52	54	2	4	0.87	9.11	Postsecondary vocational award
39-9032	Recreation workers	61	67	6	10	0.81	7.35	Short-term on-the-job training
39-9041	Residential advisors	24	20	-4	-17	1.96	9.70	Moderate-term on-the-job training
39-9099	Personal care and service workers, all other	18	11	-7	-39	0.64	8.48	Short-term on-the-job training
41-1011	First-line supervisors/managers of retail sales workers	597	612	15	3	1.21	12.71	Work experience in a related field
41-1012	First-line supervisors/managers of non-retail sales workers	131	154	23	18	0.65	20.51	Work experience in a related field
41-2011	Cashiers, except gaming	969	767	-202	-21	1.25	6.64	Short-term on-the-job training
41-2021	Counter and rental clerks	60	57	-3	-5	0.59	6.94	Short-term on-the-job training
41-2022	Parts salespersons	22	19	-3	-14	0.43	15.33	Moderate-term on-the-job training
41-2031	Retail salespersons	1,072	1,051	-21	-2	0.99	8.91	Short-term on-the-job training
41-3011	Advertising sales agents	17	17	0	0	0.34	13.47	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
41-3021	Insurance sales agents	91	105	14	15	0.56	10.06	Bachelor's degree
41-3031	Securities, commodities, and financial services sales agents	53	72	19	36	0.35	13.58	Bachelor's degree
41-3099	Sales representatives, services, all other	43	59	16	37	0.26	10.82	Moderate-term on-the-job training
41-4011	Sales representatives, wholesale and manufacturing, technical and scientific products	62	67	5	8	0.54	20.61	Moderate-term on-the-job training
41-4012	Sales representatives, wholesale and manufacturing, except technical and scientific products	236	255	19	8	0.66	23.61	Moderate-term on-the-job training
41-9011	Demonstrators and product promoters	27	31	4	15	0.99	9.49	Moderate-term on-the-job training
41-9021	Real estate brokers	237	308	71	30	0.63	7.74	Work experience in a related field
41-9022	Real estate sales agents	261	332	71	27	0.65	7.22	Postsecondary vocational award
41-9041	Telemarketers	13	11	-2	-15	0.16	7.09	Short-term on-the-job training
41-9091	Door-to-door sales workers, news and street vendors, and related workers	159	146	-13	-8	0.64	6.56	Short-term on-the-job training
41-9099	Sales and related workers, all other	34	35	1	3	0.45	6.74	Moderate-term on-the-job training
43-1011	First-line supervisors/managers of office and administrative support workers	316	311	-5	-2	0.95	16.41	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-2011	Switchboard operators, including answering service	34	28	-6	-18	0.96	9.59	Short-term on-the-job training
43-3011	Bill and account collectors	36	39	3	8	0.39	11.18	Short-term on-the-job training
43-3021	Billing and posting clerks and machine operators	114	113	-1	-1	0.98	11.77	Moderate-term on-the-job training
43-3031	Bookkeeping, accounting, and auditing clerks	434	454	20	5	0.89	11.66	Moderate-term on-the-job training
43-3051	Payroll and timekeeping clerks	52	48	-4	-8	1.16	12.20	Moderate-term on-the-job training
43-3061	Procurement clerks	15	14	-1	-7	0.90	12.49	Short-term on-the-job training
43-3071	Tellers	143	170	27	19	1.07	10.75	Short-term on-the-job training
43-4011	Brokerage clerks	10	11	1	10	0.65	25.66	Moderate-term on-the-job training
43-4031	Court, municipal, and license clerks	27	28	1	4	1.12	12.32	Short-term on-the-job training
43-4051	Customer service representatives	340	390	50	15	0.69	8.79	Moderate-term on-the-job training
43-4071	File clerks	42	26	-16	-38	0.85	8.66	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-4081	Hotel, motel, and resort desk clerks	32	27	-5	-16	0.66	6.78	Short-term on-the-job training
43-4111	Interviewers, except eligibility and loan	46	49	3	7	0.83	11.82	Short-term on-the-job training
43-4121	Library assistants, clerical	21	22	1	5	0.85	9.25	Short-term on-the-job training
43-4131	Loan interviewers and clerks	22	20	-2	-9	0.40	9.45	Short-term on-the-job training
43-4151	Order clerks	40	30	-10	-25	0.72	8.40	Short-term on-the-job training
43-4161	Human resources assistants, except payroll and timekeeping	51	52	1	2	1.40	15.51	Short-term on-the-job training
43-4171	Receptionists and information clerks	207	214	7	3	0.82	10.72	Short-term on-the-job training
43-4199	Information and record clerks, all other	26	22	-4	-15	0.52	10.52	Short-term on-the-job training
43-5021	Couriers and messengers	32	38	6	19	0.47	9.39	Short-term on-the-job training
43-5031	Police, fire, and ambulance dispatchers	24	25	1	4	1.12	12.76	Moderate-term on-the-job training
43-5032	Dispatchers, except police, fire, and ambulance	21	20	-1	-5	0.50	11.31	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-5051	Postal service clerks	15	14	-1	-7	0.86	21.82	Short-term on-the-job training
43-5052	Postal service mail carriers	76	71	-5	-7	1.03	20.58	Short-term on-the-job training
43-5061	Production, planning, and expediting clerks	82	81	-1	-1	1.33	15.88	Short-term on-the-job training
43-5071	Shipping, receiving, and traffic clerks	168	158	-10	-6	1.02	13.14	Short-term on-the-job training
43-5081	Stock clerks and order fillers	384	308	-76	-20	0.97	8.55	Short-term on-the-job training
43-5111	Weighers, measurers, checkers, and samplers, recordkeeping	14	10	-4	-29	0.84	10.69	Short-term on-the-job training
43-6011	Executive secretaries and administrative assistants	272	289	17	6	0.73	14.56	Moderate-term on-the-job training
43-6012	Legal secretaries	67	73	6	9	0.86	11.36	Postsecondary vocational award
43-6013	Medical secretaries	138	148	10	7	1.24	14.15	Postsecondary vocational award
43-6014	Secretaries, except legal, medical, and executive	480	452	-28	-6	1.05	11.35	Moderate-term on-the-job training
43-9011	Computer operators	25	18	-7	-28	0.90	12.82	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
43-9021	Data entry keyers	38	36	-2	-5	0.52	7.57	Moderate-term on-the-job training
43-9022	Word processors and typists	12	11	-1	-8	0.30	9.69	Moderate-term on-the-job training
43-9041	Insurance claims and policy processing clerks	23	21	-2	-9	0.43	10.90	Moderate-term on-the-job training
43-9051	Mail clerks and mail machine operators, except postal service	18	13	-5	-28	0.53	8.81	Short-term on-the-job training
43-9061	Office clerks, general	640	644	4	1	0.93	9.56	Short-term on-the-job training
43-9199	Office and administrative support workers, all other	19	17	-2	-11	0.30	10.06	Short-term on-the-job training
45-1099	Supervisors, farming, fishing, and forestry workers	15	19	4	27	1.11	18.29	Work experience in a related field
45-2092	Farmworkers and laborers, crop, nursery, and greenhouse	67	85	18	27	0.45	15.57	Short-term on-the-job training
45-2093	Farmworkers, farm and ranch animals	15	18	3	20	0.70	16.97	Short-term on-the-job training
45-4011	Forest and conservation workers	19	21	2	11	5.97	11.77	Moderate-term on-the-job training
45-4021	Fallers	10	13	3	30	--	--	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
45-4022	Logging equipment operators	24	31	7	29	2.62	13.68	Moderate-term on-the-job training
47-1011	First-line supervisors/managers of construction trades and extraction workers	238	235	-3	-1	1.01	17.65	Work experience in a related field
47-2021	Brickmasons and blockmasons	32	22	-10	-31	0.95	16.62	Long-term on-the-job training
47-2031	Carpenters	364	374	10	3	0.97	12.35	Long-term on-the-job training
47-2044	Tile and marble setters	10	10	0	0	--	--	Long-term on-the-job training
47-2051	Cement masons and concrete finishers	41	35	-6	-15	0.82	11.72	Moderate-term on-the-job training
47-2061	Construction laborers	295	280	-15	-5	0.93	11.18	Moderate-term on-the-job training
47-2071	Paving, surfacing, and tamping equipment operators	12	12	0	0	0.86	12.44	Moderate-term on-the-job training
47-2073	Operating engineers and other construction equipment operators	125	117	-8	-6	1.31	12.29	Moderate-term on-the-job training
47-2081	Drywall and ceiling tile installers	10	10	0	0	--	--	Moderate-term on-the-job training
47-2111	Electricians	120	89	-31	-26	0.73	12.75	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-2141	Painters, construction and maintenance	105	115	10	10	0.85	10.74	Moderate-term on-the-job training
47-2151	Pipelayers	34	28	-6	-18	1.39	12.44	Moderate-term on-the-job training
47-2152	Plumbers, pipefitters, and steamfitters	124	123	-1	-1	1.15	14.33	Long-term on-the-job training
47-2181	Roofers	86	68	-18	-21	2.11	13.07	Moderate-term on-the-job training
47-2211	Sheet metal workers	22	20	-2	-9	0.57	16.78	Long-term on-the-job training
47-2221	Structural iron and steel workers	25	24	-1	-4	1.61	19.30	Long-term on-the-job training
47-3011	Helpers, brickmasons, blockmasons, stonemasons, and tile and marble setters	21	12	-9	-43	1.62	10.28	Short-term on-the-job training
47-3012	Helpers, carpenters	43	44	1	2	2.04	10.87	Short-term on-the-job training
47-3013	Helpers, electricians	24	13	-11	-46	1.05	9.53	Short-term on-the-job training
47-3015	Helpers, pipelayers, plumbers, pipefitters, and steamfitters	44	42	-2	-5	2.36	12.72	Short-term on-the-job training
47-4011	Construction and building inspectors	26	27	1	4	0.93	16.65	Work experience in a related field

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
47-4051	Highway maintenance workers	13	13	0	0	0.44	10.77	Moderate-term on-the-job training
47-4071	Septic tank servicers and sewer pipe cleaners	11	11	0	0	1.80	12.49	Moderate-term on-the-job training
49-1011	First-line supervisors/managers of mechanics, installers, and repairers	98	95	-3	-3	0.99	13.13	Work experience in a related field
49-2011	Computer, automated teller, and office machine repairers	18	20	2	11	0.47	14.06	Postsecondary vocational award
49-2094	Electrical and electronics repairers, commercial and industrial equipment	67	63	-4	-6	3.90	20.50	Postsecondary vocational award
49-3011	Aircraft mechanics and service technicians	16	12	-4	-25	0.59	25.57	Postsecondary vocational award
49-3021	Automotive body and related repairers	23	22	-1	-4	0.57	13.08	Long-term on-the-job training
49-3023	Automotive service technicians and mechanics	194	199	5	3	1.06	11.73	Postsecondary vocational award
49-3031	Bus and truck mechanics and diesel engine specialists	43	45	2	5	0.72	11.17	Postsecondary vocational award
49-3042	Mobile heavy equipment mechanics, except engines	11	12	1	9	0.41	14.95	Postsecondary vocational award
49-3093	Tire repairers and changers	21	22	1	5	0.97	8.85	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
49-9021	Heating, air conditioning, and refrigeration mechanics and installers	23	24	1	4	0.31	11.00	Long-term on-the-job training
49-9031	Home appliance repairers	14	12	-2	-14	0.78	8.48	Long-term on-the-job training
49-9041	Industrial machinery mechanics	163	136	-27	-17	2.76	15.98	Long-term on-the-job training
49-9042	Maintenance and repair workers, general	583	559	-24	-4	1.92	13.85	Moderate-term on-the-job training
49-9043	Maintenance workers, machinery	49	39	-10	-20	2.83	11.22	Short-term on-the-job training
49-9044	Millwrights	15	14	-1	-7	1.40	20.22	Long-term on-the-job training
49-9062	Medical equipment repairers	11	14	3	27	1.15	18.17	Associate's degree
49-9098	Helpers--Installation, maintenance, and repair workers	45	42	-3	-7	1.35	8.10	Short-term on-the-job training
49-9099	Installation, maintenance, and repair workers, all other	10	11	1	10	0.29	9.62	Moderate-term on-the-job training
51-1011	First-line supervisors/managers of production and operating workers	299	268	-31	-10	1.98	22.78	Work experience in a related field
51-2021	Coil winders, tapers, and finishers	30	28	-2	-7	5.66	12.75	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-2022	Electrical and electronic equipment assemblers	54	53	-1	-2	1.18	15.84	Short-term on-the-job training
51-2031	Engine and other machine assemblers	23	26	3	13	2.63	12.98	Short-term on-the-job training
51-2041	Structural metal fabricators and fitters	53	52	-1	-2	2.23	17.36	Moderate-term on-the-job training
51-2092	Team assemblers	573	586	13	2	2.28	12.75	Moderate-term on-the-job training
51-2099	Assemblers and fabricators, all other	30	27	-3	-10	0.43	12.82	Moderate-term on-the-job training
51-3011	Bakers	11	13	2	18	0.34	8.23	Long-term on-the-job training
51-3021	Butchers and meat cutters	19	13	-6	-32	0.68	13.32	Long-term on-the-job training
51-3022	Meat, poultry, and fish cutters and trimmers	121	118	-3	-2	3.86	11.10	Short-term on-the-job training
51-3023	Slaughterers and meat packers	206	207	1	0	8.70	9.20	Moderate-term on-the-job training
51-3092	Food batchmakers	16	16	0	0	0.75	10.02	Short-term on-the-job training
51-3093	Food cooking machine operators and tenders	21	17	-4	-19	2.22	13.05	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-4011	Computer-controlled machine tool operators, metal and plastic	83	90	7	8	2.77	15.85	Moderate-term on-the-job training
51-4021	Extruding and drawing machine setters, operators, and tenders, metal and plastic	93	94	1	1	4.57	14.51	Moderate-term on-the-job training
51-4023	Rolling machine setters, operators, and tenders, metal and plastic	14	11	-3	-21	1.63	21.75	Moderate-term on-the-job training
51-4031	Cutting, punching, and press machine setters, operators, and tenders, metal and plastic	151	136	-15	-10	2.78	9.87	Moderate-term on-the-job training
51-4032	Drilling and boring machine tool setters, operators, and tenders, metal and plastic	27	25	-2	-7	3.20	12.41	Moderate-term on-the-job training
51-4033	Grinding, lapping, polishing, and buffing machine tool setters, operators, and tenders, metal and plastic	231	175	-56	-24	11.08	15.48	Moderate-term on-the-job training
51-4034	Lathe and turning machine tool setters, operators, and tenders, metal and plastic	65	57	-8	-12	4.83	21.55	Moderate-term on-the-job training
51-4035	Milling and planing machine setters, operators, and tenders, metal and plastic	22	17	-5	-23	3.59	13.60	Moderate-term on-the-job training
51-4041	Machinists	152	155	3	2	1.71	12.73	Long-term on-the-job training
51-4052	Pourers and casters, metal	18	15	-3	-17	4.64	10.06	Moderate-term on-the-job training
51-4072	Molding, coremaking, and casting machine setters, operators, and tenders, metal and plastic	75	67	-8	-11	2.35	13.58	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-4081	Multiple machine tool setters, operators, and tenders, metal and plastic	35	40	5	14	1.81	13.66	Moderate-term on-the-job training
51-4111	Tool and die makers	25	25	0	0	1.23	18.55	Long-term on-the-job training
51-4121	Welders, cutters, solderers, and brazers	113	116	3	3	1.27	14.15	Long-term on-the-job training
51-4122	Welding, soldering, and brazing machine setters, operators, and tenders	18	22	4	22	1.10	11.60	Moderate-term on-the-job training
51-4191	Heat treating equipment setters, operators, and tenders, metal and plastic	15	10	-5	-33	--	--	Moderate-term on-the-job training
51-4193	Plating and coating machine setters, operators, and tenders, metal and plastic	38	31	-7	-18	4.08	10.63	Moderate-term on-the-job training
51-5011	Bindery workers	36	30	-6	-17	2.56	10.73	Short-term on-the-job training
51-5021	Job printers	25	21	-4	-16	2.31	16.66	Long-term on-the-job training
51-5022	Prepress technicians and workers	29	23	-6	-21	1.97	16.55	Postsecondary vocational award
51-5023	Printing machine operators	40	37	-3	-8	0.89	13.55	Moderate-term on-the-job training
51-6011	Laundry and dry-cleaning workers	55	58	3	5	0.94	7.29	Moderate-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-6021	Pressers, textile, garment, and related materials	29	24	-5	-17	1.88	6.55	Short-term on-the-job training
51-6051	Sewers, hand	10	11	1	10	--	--	Short-term on-the-job training
51-6052	Tailors, dressmakers, and custom sewers	10	12	2	20	0.50	6.80	Long-term on-the-job training
51-6064	Textile winding, twisting, and drawing out machine setters, operators, and tenders	119	13	-106	-89	13.23	7.82	Moderate-term on-the-job training
51-6093	Upholsterers	11	13	2	18	0.51	7.50	Long-term on-the-job training
51-7011	Cabinetmakers and bench carpenters	128	108	-20	-16	4.03	11.26	Long-term on-the-job training
51-7021	Furniture finishers	13	11	-2	-15	1.32	15.50	Long-term on-the-job training
51-7041	Sawing machine setters, operators, and tenders, wood	30	31	1	3	2.13	13.54	Moderate-term on-the-job training
51-7042	Woodworking machine setters, operators, and tenders, except sawing	79	76	-3	-4	3.77	15.08	Moderate-term on-the-job training
51-8031	Water and liquid waste treatment plant and system operators	49	52	3	6	2.09	14.93	Long-term on-the-job training
51-8091	Chemical plant and system operators	167	129	-38	-23	16.05	16.27	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-9011	Chemical equipment operators and tenders	290	229	-61	-21	25.08	19.66	Moderate-term on-the-job training
51-9012	Separating, filtering, clarifying, precipitating, and still machine setters, operators, and tenders	28	25	-3	-11	2.81	21.31	Moderate-term on-the-job training
51-9023	Mixing and blending machine setters, operators, and tenders	522	427	-95	-18	17.27	15.80	Moderate-term on-the-job training
51-9032	Cutting and slicing machine setters, operators, and tenders	49	44	-5	-10	2.86	14.31	Moderate-term on-the-job training
51-9041	Extruding, forming, pressing, and compacting machine setters, operators, and tenders	16	14	-2	-13	0.84	12.84	Moderate-term on-the-job training
51-9051	Furnace, kiln, oven, drier, and kettle operators and tenders	15	13	-2	-13	2.70	11.65	Moderate-term on-the-job training
51-9061	Inspectors, testers, sorters, samplers, and weighers	461	399	-62	-13	4.45	13.44	Moderate-term on-the-job training
51-9071	Jewelers and precious stone and metal workers	12	10	-2	-17	0.98	8.22	Postsecondary vocational award
51-9111	Packaging and filling machine operators and tenders	155	129	-26	-17	1.97	12.70	Short-term on-the-job training
51-9121	Coating, painting, and spraying machine setters, operators, and tenders	35	29	-6	-17	1.54	14.12	Moderate-term on-the-job training
51-9122	Painters, transportation equipment	15	13	-2	-13	1.24	16.85	Long-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
51-9132	Photographic processing machine operators	26	16	-10	-38	2.08	7.34	Short-term on-the-job training
51-9191	Cementing and gluing machine operators and tenders	23	21	-2	-9	4.48	12.02	Moderate-term on-the-job training
51-9195	Molders, shapers, and casters, except metal and plastic	14	14	0	0	1.37	10.51	Moderate-term on-the-job training
51-9196	Paper goods machine setters, operators, and tenders	151	140	-11	-7	6.48	15.80	Moderate-term on-the-job training
51-9197	Tire builders	10	10	0	0	--	--	Moderate-term on-the-job training
51-9198	Helpers--Production workers	376	332	-44	-12	3.36	8.72	Short-term on-the-job training
51-9199	Production workers, all other	24	22	-2	-8	0.39	9.66	Moderate-term on-the-job training
53-1021	First-line supervisors/managers of helpers, laborers, and material movers, hand	37	41	4	11	0.90	19.41	Work experience in a related field
53-1031	First-line supervisors/managers of transportation and material-moving machine and vehicle operators	45	48	3	7	0.92	20.92	Work experience in a related field
53-3022	Bus drivers, school	88	87	-1	-1	0.85	6.86	Short-term on-the-job training
53-3031	Driver/sales workers	67	69	2	3	0.50	9.45	Short-term on-the-job training

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
53-3032	Truck drivers, heavy and tractor-trailer	381	402	21	6	0.91	12.58	Moderate-term on-the-job training
53-3033	Truck drivers, light or delivery services	225	235	10	4	0.89	10.16	Short-term on-the-job training
53-3041	Taxi drivers and chauffeurs	31	31	0	0	0.43	6.55	Short-term on-the-job training
53-7032	Excavating and loading machine and dragline operators	15	14	-1	-7	0.94	13.23	Moderate-term on-the-job training
53-7051	Industrial truck and tractor operators	277	261	-16	-6	2.00	13.13	Short-term on-the-job training
53-7061	Cleaners of vehicles and equipment	70	74	4	6	0.91	7.04	Short-term on-the-job training
53-7062	Laborers and freight, stock, and material movers, hand	534	497	-37	-7	1.02	8.72	Short-term on-the-job training
53-7063	Machine feeders and offbearers	149	119	-30	-20	5.12	12.32	Short-term on-the-job training
53-7064	Packers and packagers, hand	252	179	-73	-29	1.45	10.02	Short-term on-the-job training
53-7081	Refuse and recyclable material collectors	130	122	-8	-6	4.08	7.29	Short-term on-the-job training
53-7199	Material moving workers, all other	16	15	-1	-6	1.65	8.02	Moderate-term on-the-job training
		38,195	38,492	296	1		14.29	

SOC Code	Description	2007 Jobs	2016 Jobs	Change	% Change	2007 National LQ	2007 Median Hourly Earnings (\$)	Typical Education & Experience Level
----------	-------------	-----------	-----------	--------	----------	------------------	----------------------------------	--------------------------------------

Source: EMSI

at least 1.25 greater than \$14.29

Appendix B: Businesses by 3-Digit NAICS Codes

Greenwood County								
Industry	NAICS Code	Change						
		2002	2007	Average Size	#	%	SC % change	US % change
Forestry and Logging	113	8	9	7	1	12.5	-26.0	-15.2
Support Activities for Agriculture and Forestry	115	3	3	3	0	0.0	-13.0	1.8
Construction of Buildings	236	53	46	8	-7	-13.2	-0.4	15.4
Heavy and Civil Engineering Construction	237	28	22	18	-6	-21.4	-2.0	-2.3
Specialty Trade Contractors	238	121	97	8	-24	-19.8	-6.4	12.9
Textile Mills	313	12	7	0	-5	-41.7	-34.0	-26.7
Wood Product Manufacturing	321	7	9	59	2	28.6	-6.4	-5.7
Chemical Manufacturing	325	5	6	340	1	20.0	-1.6	1.5
Nonmetallic Mineral Product Manufacturing	327	5	3	45	-2	-40.0	4.0	3.0
Fabricated Metal Product Manufacturing	332	13	13	52	0	0.0	-6.1	-3.0
Machinery Manufacturing	333	10	4	8	-6	-60.0	-23.7	-11.1
Furniture and Related Product Manufacturing	337	6	4	6	-2	-33.3	-8.8	-5.8
Miscellaneous Manufacturing	339	8	6	20	-2	-25.0	9.5	-0.9
Merchant Wholesalers, Durable Goods	423	31	27	10	-4	-12.9	0.6	-5.6
Merchant Wholesalers, Nondurable Goods	424	13	12	7	-1	-7.7	-5.0	-3.5
Wholesale Electronic Markets and Agents and Brokers	425	11	12	9	1	9.1	31.7	38.3
Motor Vehicle and Parts Dealers	441	44	37	10	-7	-15.9	-11.6	2.2
Furniture and Home Furnishings Stores	442	18	14	5	-4	-22.2	-11.3	3.8
Electronics and Appliance Stores	443	15	12	0	-3	-20.0	-16.7	-4.7
Building Material and Garden Equipment and Supplies Dealers	444	22	24	13	2	9.1	-8.8	0.9
Food and Beverage Stores	445	32	28	14	-4	-12.5	-18.2	-0.5
Health and Personal Care Stores	446	19	21	12	2	10.5	9.1	10.2
Gasoline Stations	447	34	31	7	-3	-8.8	-2.8	-1.9
Clothing and Clothing Accessories Stores	448	40	37	6	-3	-7.5	-5.3	4.6
Sporting Goods, Hobby, Book, and Music Stores	451	17	19	6	2	11.8	-11.1	-6.5
General Merchandise Stores	452	22	21	38	-1	-4.5	17.5	13.3
Miscellaneous Store Retailers	453	35	33	5	-2	-5.7	-23.9	-8.6
Nonstore Retailers	454	8	5	0	-3	-37.5	-17.9	11.9
Truck Transportation	484	23	20	13	-3	-13.0	-5.1	5.4
Transit and Ground Passenger Transportation	485	5	3	6	-2	-40.0	-14.6	1.6
Broadcasting (except Internet)	515	3	3	5	0	0.0	-18.9	-2.0

Greenwood County								
Change								
Industry	NAICS Code	2002	2007	Average Size	#	%	SC % change	US % change
Credit Intermediation and Related Activities	522	63	66	8	3	4.8	12.2	23.8
Insurance Carriers and Related Activities	524	38	32	4	-6	-15.8	0.3	6.7
Real Estate	531	45	43	3	-2	-4.4	18.8	23.8
Rental and Leasing Services	532	10	10	4	0	0.0	-8.3	1.7
Professional, Scientific, and Technical Services	541	124	108	6	-16	-12.9	2.1	14.3
Management of Companies and Enterprises	551	8	13	21	5	62.5	74.2	29.1
Administrative and Support Services	561	87	75	27	-12	-13.8	2.2	13.0
Waste Management and Remediation Services	562	6	7	9	1	16.7	3.9	15.6
Educational Services	611	9	8	14	-1	-11.1	14.1	23.7
Ambulatory Health Care Services	621	95	95	12	0	0.0	7.4	13.3
Nursing and Residential Care Facilities	623	13	13	62	0	0.0	0.4	8.8
Social Assistance	624	34	28	0	-6	-17.6	-5.0	29.4
Accommodation	721	10	12	12	2	20.0	-3.4	3.5
Food Services and Drinking Places	722	104	101	20	-3	-2.9	-0.2	12.2
Repair and Maintenance	811	58	49	4	-9	-15.5	-18.3	-0.4
Personal and Laundry Services	812	36	28	6	-8	-22.2	-2.4	7.2
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	10	11	24	1	10.0	-2.0	3.3
Private Households	814	60	63	1	3	5.0	4.6	24.9

growth rate exceeds both SC and US growth rates

Source: Bureau of Labor Statistics

Appendix C: Greenwood County Employment by Industry Sector

		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Total		30,650	30,073	-577	-1.9			32,730	1%

<i>6 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
NONE									

<i>5 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Wood Product Manufacturing	321	506	533	27	5	5.21	64	38,735	A
Chemical Manufacturing	325	1,474	2,040	566	38	11.95	672	55,918	D
Health and Personal Care Stores	446	162	262	100	62	1.33	89	23,986	AA
Management of Companies and Enterprises	551	165	269	104	63	0.74	90	56,878	A
Administrative and Support Services	561	1,136	2,007	871	77	1.26	751	18,990	A
Ambulatory Health Care Services	621	951	1150	199	21	1.06	28	59,981	AA

<i>4 star sectors</i>		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Forestry and Logging	113	19	65	46	242	4.99	48	26,892	A
Support Activities for Agriculture and Forestry	115	6	9	3	50	0.14	3	46,402	AA
Construction of Buildings	236	318	361	43	14	1.03	2	64,131	AA
Truck Transportation	484	214	257	43	20	0.90	27	33,750	AA

4 star sectors		Employment		2002-2007 Change					
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
Nursing and Residential Care Facilities	623	729	802	73	10	1.37	18	21,799	AA
Food Services and Drinking Places	722	1,797	2,066	269	15	1.09	36	10,447	AA

3 star or fewer sectors		Employment		2002-2007 Change					
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect	2007 Average Annual Wage (\$)	Projected Growth
Heavy and Civil Engineering Construction	237	396	385	-11	-3	1.96	-38	45,846	A
Specialty Trade Contractors	238	702	785	83	12	0.82	-20	31,554	A
Nonmetallic Mineral Product Manufacturing	327	157	134	-23	-15	1.35	-18	33,215	A
Fabricated Metal Product Manufacturing	332	760	679	-81	-11	2.20	-87	38,021	A
Merchant Wholesalers, Durable Goods	423	256	259	3	1	0.42	-7	42,013	AA
Sporting Goods, Hobby, Book, and Music Stores	451	94	117	23	24	0.89	24	13,023	A
Miscellaneous Store Retailers	453	146	161	15	10	0.93	29	18,007	A
Credit Intermediation and Related Activities	522	488	497	9	2	0.87	-27	36,355	AA
Professional, Scientific, and Technical Services	541	654	674	20	3	0.44	-76	37,495	AA
Waste Management and Remediation Services	562	50	64	14	28	0.91	8	25,997	A
Accommodation	721	121	142	21	17	0.40	15	10,680	A
Religious, Grantmaking, Civic, Professional, and Similar Organizations	813	191	260	69	36	0.98	64	12,025	AA
Machinery Manufacturing	333	63	31	-32	-51	0.13	-30	44,085	A
Furniture and Related Product Manufacturing	337	26	25	-1	-4	0.24	2	33,896	D
Wholesale Electronic Markets and Agents and Brokers	425	116	112	-4	-3	0.68	-41	45,975	A
Gasoline Stations	447	246	216	-30	-12	1.26	-20	15,874	A
Clothing and Clothing Accessories Stores	448	201	205	4	2	0.69	-24	15,461	A
Merchant Wholesalers, Nondurable Goods	424	117	85	-32	-27	0.21	-35	30,113	AA
Motor Vehicle and Parts Dealers	441	432	385	-47	-11	1.01	-54	32,686	A
Furniture and Home Furnishings Stores	442	87	66	-21	-24	0.58	-26	22,592	A

3 star or fewer sectors		Employment		2002-2007 Change				2007 Average Annual Wage (\$)	Projected Growth
Industry	NAICS code	2002	2007	#	%	Location Quotient	Competitive Effect		
Building Material and Garden Equipment and Supplies Dealers	444	386	316	-70	-18	1.22	-111	27,607	A
General Merchandise Stores	452	801	792	-9	-1	1.32	-68	18,374	A
Transit and Ground Passenger Transportation	485	21	18	-3	-14	0.22	-5	6,737	A
Broadcasting (except Internet)	515	19	15	-4	-21	0.23	-4	28,466	A
Insurance Carriers and Related Activities	524	143	119	-24	-17	0.28	-27	32,702	AA
Real Estate	531	121	117	-4	-3	0.39	-16	24,777	AA
Rental and Leasing Services	532	46	41	-5	-11	0.33	-4	29,045	AA
Educational Services	611	152	114	-38	-25	0.25	-64	21,609	AA
Repair and Maintenance	811	224	205	-19	-8	0.83	-21	20,937	AA
Private Households	814	74	73	-1	-1	0.67	-17	12,792	A
Miscellaneous Manufacturing	339	141	119	-22	-16	0.93	-13	29,937	D
Food and Beverage Stores	445	652	399	-253	-39	0.70	-248	16,246	D
Personal and Laundry Services	812	170	157	-13	-8	0.60	-20	21,135	D

Methodology and Sourcing

Projected Growth Grading Scale:

AA=above average

A=average

BA=below average

D=decline

Sectors are rated on 6 factors: 2002-2007 employment growth, 2002-2007 employment growth rate, location quotient, competitive effect, average annual wage, and projected growth.

Stars are based on: 2002-2007 employment growth of 75 or more, 2002-2007 employment growth rate greater than 0 (since overall county job growth was negative), location quotient of at least 1.25, competitive effect greater than 0, average annual wage greater than \$32,730 (2007 average for all jobs in the county), and average or above average projected growth.

Location Quotient: percentage of employment in the sector in the county divided by the percentage of employment in that sector in the US; gives an indication of how concentrated employment in the sector is in the county; based on 2007 data.

Competitive Effect: based on shift-share analysis; represents the change in employment in the sector in the county after accounting for overall US employment growth and growth/decline in the sector in the US.

Source: Bureau of Labor Statistics; projections based on data from EMSI and SC Department of Commerce.



South Carolina
Department of Commerce
1201 Main Street, Suite 1600
Columbia, SC 29201

(800) 868-7232
(803) 737-0400
www.sccommerce.com